

ELECTROCHEMICAL GAS GENERATION SYSTEM FOR THE TRANSPORT OF FLUID MEDIA.**Publication number:** EP0343157 (A1)**Publication date:** 1989-11-29**Inventor(s):** WINSEL AUGUST**Applicant(s):** SATZINGER GEBHARD GMBH CO [DE]**Classification:****- international:** **B01J7/00; F16N11/10; H01M6/26; H01M12/00; H01M12/08; B01J7/00; F16N11/00; H01M6/26; H01M12/00; (IPC1-7): F04B17/00; F16N11/10****- European:** F16N11/10; H01M6/26; H01M12/00**Application number:** EP19870901341 19870220**Priority number(s):** DE19863643352 19861218**Also published as:** EP0343157 (B1)
 DE3643352 (A1)
 WO8804750 (A1)
 CA1333579 (C)
 AU629166 (B2)[more >>](#)

Abstract not available for EP 0343157 (A1)

Abstract of corresponding document: **DE 3643352 (A1)**

A gas generating galvanic cell for the transport of fluid media is composed of an anode, a cathode and a housing containing an aqueous electrolyte. By closing an outer circuit, a current is made to flow within the cell, generating an amount of gas proportional to the current flow. A cell is used that in its initial state contains a) only a substance capable of being electrochemically oxidised, a hydrogen generating electrode and aqueous electrolytes or b) only a substance capable of being electrochemically reduced, an oxygen generating electrode and an aqueous electrolyte.; When subjected to a current flow applied from the outside, the cell generates hydrogen or oxygen that are formed in the pores of a gas diffusing electrode and escape through the pores of a hydrophobic diffusing membrane, the electrolyte being held inside the cell container by the high capillary depression of this membrane.

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